

EAST 9/980.913
LLM 7/14/05

| Ref # | Hits | Search Query | DBs | Default Operator | Plurals | Time Stamp |
|-------|-------|--|---|------------------|---------|------------------|
| L1 | 30599 | (neuron and NUrr1 and differentiat\$3) and ((fibroblast adj growth adj factor adj "8") or FGF8) or (basic adj fibroblast adj growth adj factor) or (bFGF) or ((epidermal adj growth adj factor) or Egf) or (((activat\$3 adj (retinoid adj x adj receptor)) or RxR) or (9-cis adj retinol)) | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT | OR | ON | 2005/07/14 08:17 |
| L2 | 30602 | (neuron and NUrr1 and differentiat\$3) and ((fibroblast adj growth adj factor adj "8") or FGF8) or (basic adj fibroblast adj growth adj factor) or (bFGF) or ((epidermal adj growth adj factor) or Egf) or (((activat\$3 near (retinoid adj x adj receptor)) or RxR) or (9-cis adj retinol)) | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT | OR | ON | 2005/07/14 08:18 |
| L3 | 30602 | (neuron and NUrr1 and differentiat\$3) and ((fibroblast adj growth adj factor adj "8!") or FGF8) or (basic adj fibroblast adj growth adj factor) or (bFGF) or ((epidermal adj growth adj factor) or Egf) or (((activat\$3 near (retinoid adj x! adj receptor)) or RxR) or (9-cis adj retinol)) | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT | OR | ON | 2005/07/14 08:19 |
| L4 | 69 | (neuron and NUrr1 and differentiat\$3) | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT | OR | ON | 2005/07/14 08:40 |
| L5 | 5 | L4 and (astrocyte and (coculture or co-culture)) | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT | OR | ON | 2005/07/14 09:48 |
| L6 | 85 | ((neural adj stem adj cell) or (neural adj prognitor)) and astrocyte and (co-culture or coculture) | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT | OR | ON | 2005/07/14 09:39 |
| L7 | 4 | L6 and NUrr1 | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT | OR | ON | 2005/07/14 08:45 |

| | | | | | | |
|-----|-----|---|---|----|----|------------------|
| L8 | 62 | type adj (I) adj astrocyte | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT | OR | ON | 2005/07/14 09:43 |
| L9 | 8 | L8 and (coculture or co-culture) | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT | OR | ON | 2005/07/14 09:43 |
| L10 | 0 | L9 and Nurr1 | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT | OR | ON | 2005/07/14 09:43 |
| L11 | 3 | L9 and ((neural adj stem) or (neural adj progenitor)) | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT | OR | ON | 2005/07/14 09:44 |
| L12 | 5 | "6833269" | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT | OR | ON | 2005/07/14 09:45 |
| L13 | 361 | differentiat\$3 and (astrocyte and (coculture or co-culture)) | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT | OR | ON | 2005/07/14 09:55 |
| L14 | 113 | L13 and @ay<="1999" | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT | OR | ON | 2005/07/14 09:50 |
| L15 | 14 | L14 and neural adj (stem or progenitor) | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT | OR | ON | 2005/07/14 09:50 |
| L16 | 625 | differentiat\$3 and (neurons and (coculture or co-culture)) | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT | OR | ON | 2005/07/14 09:56 |
| L17 | 187 | differentiat\$3 and (neurons and (coculture or co-culture)) and @ay<="1999" | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT | OR | ON | 2005/07/14 09:56 |

| | | | | | | |
|-----|----|--|---|----|----|------------------|
| L18 | 87 | L17 and astrocytes | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT | OR | ON | 2005/07/14 11:45 |
| L19 | 1 | L17 and astrocytes and NUrr1 | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT | OR | ON | 2005/07/14 09:57 |
| L20 | 1 | ((mesencephalon or midbrain) near astrocyte) and differentiation and (neural adj (stem or progenitor)) | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT | OR | ON | 2005/07/14 11:47 |

Dialog 09/980,913
LLM 7/13/05

/H = Help

/L = Logoff

/NOMENU = Command Mode

Enter an option number to view information or to connect to an online service. Enter a BEGIN command plus a file number to search a database (e.g., B1 for ERIC).

?

Terminal set to DLINK

*** DIALOG HOMEBASE(SM) Main Menu ***

Information:

1. Announcements (new files, reloads, etc.)
2. Database, Rates, & Command Descriptions
3. Help in Choosing Databases for Your Topic
4. Customer Services (telephone assistance, training, seminars, etc.)
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/H = Help

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Enter an option number to view information or to connect to an online service. Enter a BEGIN command plus a file number to search a database (e.g., B1 for ERIC).

? b biosci

14jul05 10:56:27 User276741 Session D15.1
\$0.00 0.206 DialUnits FileHomeBase
\$0.00 Estimated cost FileHomeBase
\$0.06 TELNET
\$0.06 Estimated cost this search
\$0.06 Estimated total session cost 0.206 DialUnits

SYSTEM:OS - DIALOG OneSearch

- File 5:Biosis Previews(R) 1969-2005/Jul W1
(c) 2005 BIOSIS
- File 24:CSA Life Sciences Abstracts 1966-2005/Jun
(c) 2005 CSA.
- File 34:SciSearch(R) Cited Ref Sci 1990-2005/Jul W2
(c) 2005 Inst for Sci Info
- File 35:Dissertation Abs Online 1861-2005/Jun
(c) 2005 ProQuest Info&Learning
- File 40:Enviroline(R) 1975-2005/Jun
- File 50:CAB Abstracts 1972-2005/Jun
(c) 2005 CAB International
- File 65:Inside Conferences 1993-2005/Jul W2
(c) 2005 BLDSC all rts. reserv.
- File 71:ELSEVIER BIOBASE 1994-2005/Jul W1
(c) 2005 Elsevier Science B.V.
- File 73:EMBASE 1974-2005/Jul 13
(c) 2005 Elsevier Science B.V.
- File 91:MANTIS(TM) 1880-2005/Jun
2001 (c) Action Potential
- File 94:JICST-EPlus 1985-2005/May W4
(c)2005 Japan Science and Tech Corp(JST)

File 98:General Sci Abs/Full-Text 1984-2004/Dec

(c) 2005 The HW Wilson Co.

File 110:WasteInfo 1974-2002/Jul

(c) 2002 AEA Techn Env.

***File 110: This file is closed (no updates)**

File 135:NewsRx Weekly Reports 1995-2005/Jul W2

(c) 2005 NewsRx

***File 135: New newsletters are now added. See Help News135 for the complete list of newsletters.**

File 143:Biol. & Agric. Index 1983-2005/Jun

(c) 2005 The HW Wilson Co

File 144:Pascal 1973-2005/Jul W1

(c) 2005 INIST/CNRS

File 155:MEDLINE(R) 1951-2005/Jul W2

(c) format only 2005 The Dialog Corp.

File 164:Allied & Complementary Medicine 1984-2005/Jul

(c) 2005 BLHCIS

File 172:EMBASE Alert 2005/Jul 13

(c) 2005 Elsevier Science B.V.

File 185:Zoological Record Online(R) 1978-2005/Jul

(c) 2005 BIOSIS

File 357:Derwent Biotech Res. 1982-2005/Jul W3

(c) 2005 Thomson Derwent & ISI

File 369:New Scientist 1994-2005/May W2

(c) 2005 Reed Business Information Ltd.

File 370:Science 1996-1999/Jul W3

(c) 1999 AAAS

***File 370: This file is closed (no updates). Use File 47 for more current information.**

File 391:Beilstein Reactions 2005/Q2

(c) 2005 Beilstein GmbH

File 434:SciSearch(R) Cited Ref Sci 1974-1989/Dec

(c) 1998 Inst for Sci Info

File 467:ExtraMED(tm) 2000/Dec

(c) 2001 Informania Ltd.

***File 467: F467 no longer updates; see Help News467.**

7.

| Set | Items | Description |
|-----|-------|-------------|
|-----|-------|-------------|

| --- | ----- | ----- |
|-----|-------|-------|
|-----|-------|-------|

? s ((neural (w) stem) or (neural (w) prognitor) and differentiat?3) and (astrocyte and (co-culture or coculture))

| | |
|---------|--------|
| 2430772 | NEURAL |
|---------|--------|

| | |
|--------|------|
| 833112 | STEM |
|--------|------|

| | |
|-------|---------------|
| 10078 | NEURAL(W)STEM |
|-------|---------------|

| | |
|---------|--------|
| 2430772 | NEURAL |
|---------|--------|

| | |
|----|-----------|
| 18 | PROGNITOR |
|----|-----------|

| | |
|---|--------------------|
| 1 | NEURAL(W)PROGNITOR |
|---|--------------------|

| | |
|---|----------------|
| 0 | DIFFERENTIAT?3 |
|---|----------------|

| | |
|-------|-----------|
| 61929 | ASTROCYTE |
|-------|-----------|

| | |
|------|------------|
| 1671 | CO-CULTURE |
|------|------------|

| | |
|-------|-----------|
| 34642 | COCULTURE |
|-------|-----------|

| | | |
|----|----|--|
| S1 | 14 | ((NEURAL (W) STEM) OR (NEURAL (W) PROGNITOR) AND DIFFERENTIAT?3) AND (ASTROCYTE AND (CO-CULTURE OR COCULTURE)) |
|----|----|--|

? s s1 not py>1999

Processing

Processed 10 of 26 files ...

>>>One or more prefixes are unsupported

>>> or undefined in one or more files.

Completed processing all files

14 S1

24557655 PY>1999
 S2 0 S1 NOT PY>1999
 ? s s1 and not py>1999
 >>>Operator "NOT" in invalid position
 ? s s 1 not py>2000
 Sending Break...
 ?s s1 not py>2000
 >>>One or more prefixes are unsupported
 >>> or undefined in one or more files.
 14 S1
 20088570 PY>2000
 S3 0 S1 NOT PY>2000
 ? s s1 and nurrl
 14 S1
 1467 NURR1
 S4 0 S1 AND NURR1
 ? type s1/free/all

1/8/1 (Item 1 from file: 5)
 0014288751 BIOSIS NO.: 200300247470
Olfactory bulb core is a rich source of neural progenitor and stem cells in adult rodent and human.
 2003

1/8/2 (Item 1 from file: 34)
 DIALOG(R)File 34:(c) 2005 Inst for Sci Info. All rts. reserv.

13300593 Genuine Article#: 866YA Number of References: 24
Title: Neurite outgrowth from hippocampal neurons is promoted by choroid plexus ependymal cells in vitro (ABSTRACT AVAILABLE)
 Publication date: 20040700
 Journal Subject Category: CELL BIOLOGY; NEUROSCIENCES
 Identifiers--KeyWord Plus(R): ADULT MAMMALIAN FOREBRAIN;
 CENTRAL-NERVOUS-SYSTEM; **NEURAL STEM** -CELL; GROWTH-FACTOR;
 SCHWANN-CELLS; SPINAL-CORD; SUBEPENDYMAL CELLS; LOCALIZATION;
 EXPRESSION; ASTROCYTES

1/8/3 (Item 2 from file: 34)
 DIALOG(R)File 34:(c) 2005 Inst for Sci Info. All rts. reserv.

11466999 Genuine Article#: 655XF Number of References: 57
Title: Transgenic overexpression of BMP4 increases astroglial and decreases oligodendroglial lineage commitment (ABSTRACT AVAILABLE)
 Publication date: 20030301
 Journal Subject Category: DEVELOPMENTAL BIOLOGY
 Descriptors--Author Keywords: BMP4 ; **astrocyte** ; oligodendrocyte ; radial glia ; stem cell ; gliogenesis ; brain development
 Identifiers--KeyWord Plus(R): RADIAL GLIAL-CELLS; CILIARY NEUROTROPHIC FACTOR; CENTRAL-NERVOUS-SYSTEM; BONE MORPHOGENETIC PROTEINS; SERINE/THREONINE KINASE RECEPTORS; GLUTATHIONE-S-TRANSFERASE; FIBRILLARY ACIDIC PROTEIN; **NEURAL STEM** -CELLS; ADULT-RAT-BRAIN; PROGENITOR CELLS

1/8/4 (Item 1 from file: 73)
 13016012 EMBASE No: 2005075886
Humoral and contact interactions in astroglia/stem cell co-cultures in the course of glia-induced neurogenesis

2005

1/8/5 (Item 2 from file: 73)
12387602 EMBASE No: 2003490423
**Enhanced Induction of RPE Lineage Markers in Pluripotent Neural Stem
Cells Engrafted into the Adult Rat Subretinal Space**
2003

1/8/6 (Item 3 from file: 73)
12047872 EMBASE No: 2003159732
**Olfactory bulb core is a rich source of neural progenitor and stem cells
in adult rodent and human**
12 MAY 2003

1/8/7 (Item 4 from file: 73)
12003234 EMBASE No: 2003114701
**The effect of bone marrow stromal cells on neuronal differentiation of
mesencephalic neural stem cells in Sprague-Dawley rats**
04 APR 2003

1/8/8 (Item 5 from file: 73)
11585973 EMBASE No: 2002157604
**Neural stem cells from adult hippocampus develop essential properties
of functional CNS neurons**
2002

1/8/9 (Item 1 from file: 135)
DIALOG(R) File 135:(c) 2005 NewsRx. All rts. reserv.

0000087408 (USE FORMAT 7 OR 9 FOR FULLTEXT)
BMP4 mediates astrocyte differentiation
WORD COUNT: 368
May 8, 2003 (20030508)

DESCRIPTORS: Northwestern University; Stem Cell Research; Cell
Biology; Neuroscience; All News; Professional News;
Hematology
SUBJECT HEADING: Stem Cell Research

1/8/10 (Item 1 from file: 155)
DIALOG(R) File 155:(c) format only 2005 The Dialog Corp. All rts. reserv.

14995420 PMID: 12925733
**Neuroectodermal differentiation from mouse multipotent adult progenitor
cells.**
Sep 30 2003
Tags: Research Support, Non-U.S. Gov't; Research Support, U.S. Gov't,
P.H.S.
Descriptors: *Hematopoietic Stem Cells--cytology--CY; *Pluripotent Stem
Cells--cytology--CY; Animals; Astrocytes--cytology--CY; Astrocytes
--metabolism--ME; Base Sequence; Cell Differentiation; Cells, Cultured;
Coculture Techniques; Culture Media, Conditioned; DNA, Complementary
--genetics--GE; Dopamine--metabolism--ME; Ectoderm--cytology--CY; Ectoderm
--metabolism--ME; Hematopoietic Stem Cells--metabolism--ME; Mice; Neurons

--cytology--CY; Neurons--metabolism--ME; Phenotype; Pluripotent Stem Cells
--metabolism--ME; RNA, Messenger--genetics--GE; RNA, Messenger--metabolism
--ME; Reverse Transcriptase Polymerase Chain Reaction; Serotonin
--metabolism--ME; Sodium Channels--metabolism--ME; gamma-Aminobutyric Acid
--metabolism--ME

CAS Registry No.: 0 (Culture Media, Conditioned); 0 (DNA,
Complementary); 0 (RNA, Messenger); 0 (Sodium Channels); 50-67-9
(Serotonin); 51-61-6 (Dopamine); 56-12-2 (gamma-Aminobutyric Acid)

1/8/11 (Item 2 from file: 155)

DIALOG(R) File 155:(c) format only 2005 The Dialog Corp. All rts. reserv.

14878993 PMID: 12859339

The ablation of glial fibrillary acidic protein-positive cells from the adult central nervous system results in the loss of forebrain neural stem cells but not retinal stem cells.

Jul 2003

Tags: Research Support, Non-U.S. Gov't

Descriptors: *Central Nervous System--physiology--PH; *Glial Fibrillary Acidic Protein--physiology--PH; *Neurons--physiology--PH; *Prosencephalon--physiology--PH; *Retina--physiology--PH; *Stem Cells--physiology--PH; Animals; Antiviral Agents--pharmacology--PD; Cell Separation; Cells, Cultured; Central Nervous System--cytology--CY; Cerebral Ventricles--cytology--CY; **Coculture** Techniques; Dose-Response Relationship, Drug; Ganciclovir--pharmacology--PD; Glial Fibrillary Acidic Protein--genetics--GE; Immunohistochemistry; Mice; Mice, Transgenic; Prosencephalon--cytology--CY; Retina--cytology--CY; Reverse Transcriptase Polymerase Chain Reaction; Simplexvirus--enzymology--EN; Simplexvirus--genetics--GE

CAS Registry No.: 0 (Antiviral Agents); 0 (Glial Fibrillary Acidic Protein); 82410-32-0 (Ganciclovir)

1/8/12 (Item 3 from file: 155)

DIALOG(R) File 155:(c) format only 2005 The Dialog Corp. All rts. reserv.

14803067 PMID: 12767487

Astrocyte -derived factors instruct differentiation of embryonic stem cells into neurons.

Jun 2003

Tags: Research Support, Non-U.S. Gov't

Descriptors: *Astrocytes--metabolism--ME; *Growth Substances--physiology--PH; *Neurons--cytology--CY; *Pluripotent Stem Cells--cytology--CY; Animals; Blotting, Western; Cell Differentiation--genetics--GE; Cell Differentiation--physiology--PH; Cells, Cultured; **Coculture** Techniques; Culture Media, Conditioned; Embryo; Fluorescent Antibody Technique; Gene Expression; Mice; Neurons--physiology--PH; Pluripotent Stem Cells--metabolism--ME; Primates; Reverse Transcriptase Polymerase Chain Reaction

CAS Registry No.: 0 (Culture Media, Conditioned); 0 (Growth Substances)

1/8/13 (Item 4 from file: 155)

DIALOG(R) File 155:(c) format only 2005 The Dialog Corp. All rts. reserv.

14717549 PMID: 12662433

Fetal human hematopoietic stem cells can differentiate sequentially into neural stem cells and then astrocytes in vitro.

Feb 2003

Tags: Research Support, Non-U.S. Gov't

Descriptors: *Astrocytes--cytology--CY; *Hematopoietic Stem Cells
 --cytology--CY; *Nerve Tissue Proteins; *Neurons--cytology--CY; *Stem Cells
 --cytology--CY; *Transforming Growth Factor beta; Antigens, CD3
 --biosynthesis--BI; Antigens, CD34--biosynthesis--BI; Astrocytes
 --metabolism--ME; Blotting, Western; Bone Morphogenetic Proteins
 --metabolism--ME; Cell Differentiation; Cell Division; Cells, Cultured;
Coculture Techniques; Culture Media, Conditioned--pharmacology--PD; Flow
 Cytometry; Glycoproteins--biosynthesis--BI; Humans; Immunoblotting;
 Immunohistochemistry; Intermediate Filament Proteins--metabolism--ME;
 Neurons--metabolism--ME; Peptides; Phenotype; RNA, Messenger--metabolism
 --ME; Reverse Transcriptase Polymerase Chain Reaction; Time Factors
 CAS Registry No.: 0 (AC133 antigen); 0 (Antigens, CD3); 0 (Antigens,
 CD34); 0 (Bone Morphogenetic Proteins); 0 (Culture Media, Conditioned);
 0 (Glycoproteins); 0 (Intermediate Filament Proteins); 0 (Nerve Tissue
 Proteins); 0 (Peptides); 0 (RNA, Messenger); 0 (Transforming Growth
 Factor beta); 0 (bone morphogenetic protein 2); 0 (nestin)

1/8/14 (Item 1 from file: 357)

0320860 DBR Accession No.: 2003-22000

**Making a more developmentally potent cell from a less developmentally
 potent cell for treating neurological or corporal deficit by contacting
 a less developmentally potent cell with substituted deoxynucleotide or
 deoxynucleoside - tissue engineering for neuron and astrocyte
 production for use in disease therapy and transplantation 2003**

? s (neuron and differentiat?3) and (astrocyte and (co-culture or coculture))

386040 NEURON

0 DIFFERENTIAT?3

61929 ASTROCYTE

1671 CO-CULTURE

34642 COCULTURE

S5 0 (NEURON AND DIFFERENTIAT?3) AND (ASTROCYTE AND
 (CO-CULTURE OR COCULTURE))

? s (neural (w) stem) or (neural (w) prognitor) and differentiat?) and
 (astrocyte and (co-culture or coculture))

>>>Unmatched parentheses

? s (neuron and differentiat?) and (astrocyte and (co-culture or coculture))

386040 NEURON

1886991 DIFFERENTIAT?

61929 ASTROCYTE

1671 CO-CULTURE

34642 COCULTURE

S6 62 (NEURON AND DIFFERENTIAT?) AND (ASTROCYTE AND (CO-CULTURE
 OR COCULTURE))

? s s6 not py>1999

Processed 20 of 26 files ...

>>>One or more prefixes are unsupported

>>> or undefined in one or more files.

Completed processing all files

62 S6

24557655 PY>1999

S7 25 S6 NOT PY>1999

? rd

>>>Duplicate detection is not supported for File 391.

>>>Records from unsupported files will be retained in the RD set.

...completed examining records

S8 16 RD (unique items)

? type s8/ free all

>>>'ALL' not allowed as format type

? type s8/free/all

8/8/1 (Item 1 from file: 5)
0011949192 BIOSIS NO.: 199900208852
**Functional synapses are formed between human NTera2 (NT2N, hNT) neurons
grown on astrocytes**
1999

8/8/2 (Item 2 from file: 5)
0011123465 BIOSIS NO.: 199799757525
**Neuronal regulation of glutamate transporter subtype expression in
astrocytes**
1997

8/8/3 (Item 3 from file: 5)
0010616025 BIOSIS NO.: 199699250085
**The LHRH-astroglial network of signals as a model to study neuroimmune
interactions: Assessment of messenger systems and transduction mechanisms
at cellular and molecular levels**
1996

8/8/4 (Item 4 from file: 5)
0009289286 BIOSIS NO.: 199497310571
Astroglial differentiation is required for support of neurite outgrowth
1994

8/8/5 (Item 1 from file: 24)
DIALOG(R)File 24:(c) 2005 CSA. All rts. reserv.

0001997885 IP ACCESSION NO: 4535777
**Neurons Induce GFAP Gene Promoter of Cultured Astrocytes From Transgenic
Mice**
PUBLICATION DATE: 1999

DESCRIPTORS: Neuronal-glial interactions; Astrocytes; Cerebrum; Glial
fibrillary acidic protein; Genes; Promoters; Transgenic mice
SUBJ CATG: 11073, Glial cell biology and metabolism

8/8/6 (Item 1 from file: 34)
DIALOG(R)File 34:(c) 2005 Inst for Sci Info. All rts. reserv.

07175701 Genuine Article#: 132PM Number of References: 27
**Title: Astrocytes modulate nitric oxide production by microglial cells
through secretion of serine and glycine (ABSTRACT AVAILABLE)**
Publication date: 19981009
Journal Subject Category: BIOCHEMISTRY & MOLECULAR BIOLOGY; BIOPHYSICS
Identifiers--Keyword Plus(R): EXTRACELLULAR CONCENTRATIONS; AMINO-ACIDS;
BRAIN; **DIFFERENTIATION**; RAMIFICATION; MORPHOLOGY; GLUTAMATE;
ASPARTATE; INDUCTION; ISCHEMIA

8/8/7 (Item 2 from file: 34)
DIALOG(R)File 34:(c) 2005 Inst for Sci Info. All rts. reserv.

05158298 Genuine Article#: VE087 Number of References: 50
Title: EPIGENETIC FACTORS CONTROLLING THE DEVELOPMENT OF AVIAN PURKINJE

NEURONS (Abstract Available)
Journal Subject Category: NEUROSCIENCES
Descriptors--Author Keywords: AVIAN PURKINJE **NEURON** ; IN VITRO **COCULTURE**
; GRANULE CELL ; **ASTROCYTE** ; DEVELOPMENT
Identifiers--KeyWords Plus: CEREBELLAR GRANULE CELLS; CHICK-EMBRYO; RAT
CEREBELLUM; REGIONAL DIFFERENCES; HIPPOCAMPAL-NEURONS;
GALLUS-DOMESTICUS; IN-VITRO; **DIFFERENTIATION**; INVITRO; MOUSE
Research Fronts: 94-0726 001 (RAT CEREBELLAR CORTEX; GRANULE CELLS;
ACTIVE MEMBRANE MODEL)

8/8/8 (Item 3 from file: 34)
DIALOG(R)File 34:(c) 2005 Inst for Sci Info. All rts. reserv.

04075093 Genuine Article#: RC348 Number of References: 18
**Title: CULTURED RAT STRIATAL AND CORTICAL ASTROCYTES PROTECT MESENCEPHALIC
DOPAMINERGIC-NEURONS AGAINST HYDROGEN-PEROXIDE TOXICITY INDEPENDENT OF
THEIR EFFECT ON NEURONAL DEVELOPMENT** (Abstract Available)
Journal Subject Category: NEUROSCIENCES
Descriptors--Author Keywords: DOPAMINERGIC NEURONS ; ASTROCYTES ;
COCULTURE ; DOPAMINE ; OXIDATIVE STRESS ; NEUROTOXICITY ;
NEUROPROTECTION
Identifiers--KeyWords Plus: NERVE GROWTH-FACTOR; PARKINSONS-DISEASE;
GLUTATHIONE; **DIFFERENTIATION**; SURVIVAL; CELLS
Research Fronts: 93-0303 001 (RECEPTORS FOR NERVE GROWTH-FACTOR;
NEUROTROPHIN-3 MESSENGER-RNA EXPRESSION; SENSORY NEURONS; NGF SURVIVAL
RESPONSE; RAT PERIPHERAL TRIGEMINAL SYSTEM)

8/8/9 (Item 4 from file: 34)
DIALOG(R)File 34:(c) 2005 Inst for Sci Info. All rts. reserv.

03518308 Genuine Article#: PJ130 Number of References: 45
**Title: ASTROCYTIC CONTRIBUTION TO FUNCTIONING SYNAPSE FORMATION ESTIMATED
BY SPONTANEOUS NEURONAL INTRACELLULAR CA²⁺ OSCILLATIONS** (Abstract
Available)
Journal Subject Category: NEUROSCIENCES
Descriptors--Author Keywords: SYNAPSE FORMATION ; CA²⁺-OSCILLATION ;
NEURON ; **ASTROCYTE** ; **COCULTURE**
Identifiers--KeyWords Plus: GLIA MATURATION FACTOR; PROTEIN-KINASE
INHIBITOR; FIBROBLAST GROWTH-FACTOR; HIPPOCAMPAL-NEURONS;
CORTICAL-NEURONS; CHONDROITIN SULFATE; NEUROTROPHIC ACTION; NEURITE
EXTENSION; ADHESION MOLECULE; FACTOR-BETA
Research Fronts: 92-0902 001 (BASIC FIBROBLAST GROWTH-FACTOR; SURVIVAL OF
SENSORY NEURONS INVITRO; CHOLINERGIC **DIFFERENTIATION** IN NEUROGENIC
BASAL FOREBRAIN CULTURES)
92-1272 001 (EXPRESSION OF ADHESION MOLECULES; EPITHELIAL CADHERIN IN
THE RAT EPIDIDYMIS; DEVELOPMENTAL REGULATION; CANCER CELL INVASION;
HYALURONAN RECEPTOR)
92-1742 001 (CULTURED HIPPOCAMPAL-NEURONS; NEURITE GROWTH; PAF
MOBILIZES INTRACELLULAR CA²⁺)
92-3553 001 (REGENERATION OF ADULT-RAT CNS AXONS; INJURED SPINAL-CORD;
GOLDFISH OPTIC-NERVE; FETAL CELL GRAFTS; CULTURED NEURONS; NEURITE
OUTGROWTH)
92-4483 001 (NEURAL CELL-ADHESION MOLECULE L1; IMMUNOGLOBULIN
SUPERFAMILY; TISSUE EXPRESSION OF CHICKEN PECTORALIS M-PROTEIN)

8/8/10 (Item 5 from file: 34)
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03372695 Genuine Article#: PA953 Number of References: 88
Title: REGIONAL DIFFERENCES IN GLIAL-DERIVED FACTORS THAT PROMOTE DENDRITIC OUTGROWTH FROM MOUSE CORTICAL-NEURONS IN-VITRO (Abstract Available)
 Journal Subject Category: NEUROSCIENCES
 Descriptors--Author Keywords: **ASTROCYTE** ; AXON ; CORTEX DENDRITE ; DEVELOPMENT ; GLIA
 Identifiers--KeyWords Plus: FIBROBLAST GROWTH-FACTOR; RAT SYMPATHETIC NEURONS; CENTRAL NERVOUS-SYSTEM; MICROTUBULE-ASSOCIATED PROTEIN-2; FACTOR RECEPTOR IMMUNOREACTIVITY; HIPPOCAMPAL-NEURONS; NEURITE OUTGROWTH; MESSENGER-RNA; BRAIN ASTROCYTES; CEREBRAL-CORTEX
 Research Fronts: 92-0089 002 (BASIC FIBROBLAST GROWTH-FACTOR; TRANSMEMBRANE HEPARAN-SULFATE PROTEOGLYCANS; CYSTEINE-RICH RECEPTOR)
 92-0870 001 (STEM-CELL FACTOR; C-KIT RECEPTOR; LIGAND EXPRESSION)
 92-0902 001 (BASIC FIBROBLAST GROWTH-FACTOR; SURVIVAL OF SENSORY NEURONS INVITRO; CHOLINERGIC **DIFFERENTIATION** IN NEUROGENIC BASAL FOREBRAIN CULTURES)
 92-1742 001 (CULTURED HIPPOCAMPAL-NEURONS; NEURITE GROWTH; PAF MOBILIZES INTRACELLULAR CA2+)
 92-2572 001 (OLIGODENDROCYTE LINEAGE; INVITRO **DIFFERENTIATION** OF GLIAL PROGENITOR CELLS; BASIC FIBROBLAST GROWTH-FACTOR; RAT CNS CULTURES; TYPE-2 **ASTROCYTE**)

8/8/11 (Item 6 from file: 34)
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02995521 Genuine Article#: MY500 Number of References: 84
Title: CELL-CELL INTERACTIONS INFLUENCE SURVIVAL AND DIFFERENTIATION OF PURIFIED PURKINJE-CELLS IN-VITRO (Abstract Available)
 Journal Subject Category: NEUROSCIENCES
 Identifiers--KeyWords Plus: CENTRAL NERVOUS-SYSTEM; CEREBELLAR CORTEX; HIPPOCAMPAL-NEURONS; MOUSE CEREBELLUM; GROWTH-FACTOR; POSTNATAL-DEVELOPMENT; DENDRITIC DEVELOPMENT; NEURITE EXTENSION; RAT MOTONEURONS; MUTANT MOUSE
 Research Fronts: 92-5099 002 (RAT CEREBELLAR CORTEX; DIFFERENTIAL MODULATION OF PURKINJE-CELL ACTIVITY; STOP SIGNAL FOR AFFERENT NEURITE EXTENSION INVITRO)
 92-2572 001 (OLIGODENDROCYTE LINEAGE; INVITRO **DIFFERENTIATION** OF GLIAL PROGENITOR CELLS; BASIC FIBROBLAST GROWTH-FACTOR; RAT CNS CULTURES; TYPE-2 **ASTROCYTE**)

8/8/12 (Item 7 from file: 34)
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02695816 Genuine Article#: LW541 Number of References: 12
Title: NEUROTROPHIC ACTION OF GLIOSTATIN ON COCULTURED NEURONS WITH GLIAL-CELLS (Abstract Available)
 Journal Subject Category: NEUROSCIENCES
 Descriptors--Author Keywords: GLIOSTATIN ; NEUROTROPHIC FACTOR ; COCULTURE ; NEURON ; **ASTROCYTE** ; GLIAL **DIFFERENTIATION**
 Identifiers--KeyWords Plus: GROWTH-FACTOR; BRAIN; ASTROCYTES; CULTURE
 Research Fronts: 91-0307 003 (NERVE GROWTH-FACTOR RECEPTOR IMMUNOREACTIVITY; HIGH-AFFINITY NGF BINDING REQUIRES COEXPRESSION; CULTURED RAT EMBRYONIC CNS CELLS)

8/8/13 (Item 1 from file: 71)
 01118536 1999082354

Neurons induce GFAP gene promoter of cultured astrocytes from transgenic mice

8/8/14 (Item 2 from file: 71)
00153130 94158063

Astrocytic contribution to functioning synapse formation estimated by spontaneous neuronal intracellular Casup 2sup + oscillations
PUBLICATION DATE: 19940000

8/8/15 (Item 1 from file: 144)
DIALOG(R)File 144:(c) 2005 INIST/CNRS. All rts. reserv.

14063815 PASCAL No.: 99-0255336
Neurons induce GFAP gene promoter of cultured astrocytes from transgenic mice
1999

English Descriptors: Glial fibrillary acidic protein; Gene; Transcription promoter; **Neuron** ; Transgenic animal; **Astrocyte** ; In vitro; **Differentiation** ; Cell cell interaction; Mouse
Broad Descriptors: Neuroglia; Rodentia; Mammalia; Vertebrata; Nevroglie; Rodentia; Mammalia; Vertebrata; Neuroglia; Rodentia; Mammalia; Vertebrata
French Descriptors: Proteine gliofibrillaire; Gene; Promoteur transcription ; Neurone; Animal transgenique; **Astrocyte** ; In vitro; Differenciation; Interaction cellulaire; Souris

Classification Codes: 002A25C

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8/8/16 (Item 1 from file: 155)
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10131438 PMID: 7681866
Ion channels in spinal cord astrocytes in vitro. III. Modulation of channel expression by coculture with neurons and neuron -conditioned medium.
Mar 1993

Tags: Female; Research Support, Non-U.S. Gov't; Research Support, U.S. Gov't, Non-P.H.S.; Research Support, U.S. Gov't, P.H.S.

Descriptors: *Astrocytes--physiology--PH; *Ion Channels--physiology--PH; *Nerve Growth Factors--physiology--PH; *Neurons--physiology--PH; *Spinal Cord--physiology--PH; *Synaptic Transmission--physiology--PH; Animals; Cell **Differentiation** --physiology--PH; Cells, Cultured; Culture Media; Ganglia, Spinal--physiology--PH; Membrane Potentials--physiology--PH; Potassium Channels--physiology--PH; Rats; Rats, Sprague-Dawley; Rats, Wistar; Sodium Channels--physiology--PH

CAS Registry No.: 0 (Culture Media); 0 (Ion Channels); 0 (Nerve Growth Factors); 0 (Potassium Channels); 0 (Sodium Channels)
? s ((neural (w) stem) or (neural (w) prognitor) and differentiat?) and (astrocyte and (co-culture or coculture))

2430772 NEURAL
833112 STEM
10078 NEURAL(W)STEM
2430772 NEURAL

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18 PROGNITOR
1 NEURAL (W) PROGNITOR
1886991 DIFFERENTIAT?
61929 ASTROCYTE
1671 CO-CULTURE
34642 COCULTURE
S9 14 ((NEURAL (W) STEM) OR (NEURAL (W) PROGNITOR) AND
DIFFERENTIAT?) AND (ASTROCYTE AND (CO-CULTURE OR
COCULTURE))

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? rd

>>>Duplicate detection is not supported for File 391.

>>>Records from unsupported files will be retained in the RD set.

...completed examining records

S10 13 RD (unique items)

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13 S10

175298 DOPAMINERGIC

S11 1 S10 AND DOPAMINERGIC

? type s11/free

11/8/1 (Item 1 from file: 155)

DIALOG(R)File 155:(c) format only 2005 The Dialog Corp. All rts. reserv.

14803067 PMID: 12767487

Astrocyte -derived factors instruct differentiation of embryonic stem cells into neurons.

Jun 2003

Tags: Research Support, Non-U.S. Gov't

Descriptors: *Astrocytes--metabolism--ME; *Growth Substances--physiology--PH; *Neurons--cytology--CY; *Pluripotent Stem Cells--cytology--CY; Animals; Blotting, Western; Cell Differentiation--genetics--GE; Cell Differentiation--physiology--PH; Cells, Cultured; **Coculture** Techniques; Culture Media, Conditioned; Embryo; Fluorescent Antibody Technique; Gene Expression; Mice; Neurons--physiology--PH; Pluripotent Stem Cells--metabolism--ME; Primates; Reverse Transcriptase Polymerase Chain Reaction

CAS Registry No.: 0 (Culture Media, Conditioned); 0 (Growth Substances)

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Set      Items  Description
S1        14    ((NEURAL (W) STEM) OR (NEURAL (W) PROGNITOR) AND DIFFERENT-
IAT?3) AND (ASTROCYTE AND (CO-CULTURE OR COCULTURE))
S2         0    S1 NOT PY>1999
S3         0    S1 NOT PY>2000
S4         0    S1 AND NURR1
S5         0    (NEURON AND DIFFERENTIAT?3) AND (ASTROCYTE AND (CO-CULTURE
OR COCULTURE))
S6        62    (NEURON AND DIFFERENTIAT?) AND (ASTROCYTE AND (CO-CULTURE -
OR COCULTURE))
S7        25    S6 NOT PY>1999
S8        16    RD (unique items)
S9        14    ((NEURAL (W) STEM) OR (NEURAL (W) PROGNITOR) AND DIFFERENT-
IAT?) AND (ASTROCYTE AND (CO-CULTURE OR COCULTURE))
S10       13    RD (unique items)
S11        1    S10 AND DOPAMINERGIC

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? save temp

Temp SearchSave "TC83288551" stored

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>>>Invalid set number

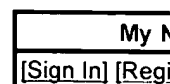
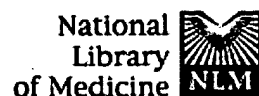
? logoff

14jul05 11:12:43 User276741 Session D15.2

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| \$0.00 | 5 | Type(s) | in Format 6 |
| \$0.00 | 5 | Types | |
| \$5.85 | | Estimated cost | File5 |
| \$1.40 | 0.226 | DialUnits | File24 |
| \$0.00 | 1 | Type(s) | in Format 8 |
| \$0.00 | 1 | Types | |
| \$1.40 | | Estimated cost | File24 |
| \$27.06 | 1.222 | DialUnits | File34 |
| \$0.00 | 9 | Type(s) | in Format 8 |
| \$0.00 | 9 | Types | |
| \$27.06 | | Estimated cost | File34 |
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| \$0.43 | | Estimated cost | File35 |
| \$0.53 | 0.075 | DialUnits | File40 |
| \$0.53 | | Estimated cost | File40 |
| \$1.31 | 0.286 | DialUnits | File50 |
| \$1.31 | | Estimated cost | File50 |
| \$2.62 | 0.698 | DialUnits | File65 |
| \$2.62 | | Estimated cost | File65 |
| \$3.70 | 0.422 | DialUnits | File71 |
| \$0.00 | 2 | Type(s) | in Format 6 |
| \$0.00 | 2 | Types | |
| \$3.70 | | Estimated cost | File71 |
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| \$0.00 | 5 | Type(s) | in Format 6 |
| \$0.00 | 5 | Types | |
| \$8.56 | | Estimated cost | File73 |
| \$0.23 | 0.055 | DialUnits | File91 |
| \$0.23 | | Estimated cost | File91 |
| \$0.77 | 0.221 | DialUnits | File94 |
| \$0.77 | | Estimated cost | File94 |
| \$0.36 | 0.084 | DialUnits | File98 |
| \$0.36 | | Estimated cost | File98 |
| \$0.29 | 0.050 | DialUnits | File110 |
| \$0.29 | | Estimated cost | File110 |
| \$0.44 | 0.082 | DialUnits | File135 |
| \$0.00 | 1 | Type(s) | in Format 8 |
| \$0.00 | 1 | Types | |
| \$0.44 | | Estimated cost | File135 |
| \$0.36 | 0.119 | DialUnits | File143 |
| \$0.36 | | Estimated cost | File143 |
| \$2.53 | 0.561 | DialUnits | File144 |
| \$0.00 | 1 | Type(s) | in Format 8 |
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| \$2.53 | | Estimated cost | File144 |
| \$2.58 | 0.760 | DialUnits | File155 |
| \$0.00 | 6 | Type(s) | in Format 8 |
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| \$2.58 | | Estimated cost | File155 |
| \$0.22 | 0.062 | DialUnits | File164 |
| \$0.22 | | Estimated cost | File164 |
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| \$0.00 | 1 | Types | |
| \$1.88 | | Estimated cost | File357 |

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| | \$0.13 | 0.037 | DialUnits | File369 |
| \$0.13 | Estimated cost File369 | | | |
| | \$0.10 | 0.030 | DialUnits | File370 |
| \$0.10 | Estimated cost File370 | | | |
| | \$0.00 | 0.047 | DialUnits | File391 |
| \$0.00 | Estimated cost File391 | | | |
| | \$1.76 | 0.080 | DialUnits | File434 |
| \$1.76 | Estimated cost File434 | | | |
| | \$0.32 | 0.050 | DialUnits | File467 |
| \$0.32 | Estimated cost File467 | | | |
| | OneSearch, 26 files, 7.363 DialUnits FileOS | | | |
| \$4.53 | TELNET | | | |
| \$69.56 | Estimated cost this search | | | |
| \$69.62 | Estimated total session cost 7.569 DialUnits | | | |

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- Click on query # to add to strategy

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|---------------------|---|----------|-----------------------|
| #51 | Search (mesencephalon or midbrain) and astrocyte and differentiation neuron | 11:43:50 | 57 |
| #50 | Search mesencephalon or midbrain and astrocyte and differentiation neuron | 11:42:12 | 44346 |
| #49 | Search "mesencephalon or midbrain" and astrocyte and differentiation neuron | 11:42:04 | 50 |
| #48 | Search mesencephalon astrocyte and differentiation neuron | 11:41:44 | 51 |
| #47 | Search mesencephalon astrocyte and differentiation | 11:41:25 | 74 |
| #46 | Search mesencephalon astrocyte | 11:41:15 | 408 |
| #45 | Search mesencephalon astyocyte | 11:41:07 | 44340 |
| #43 | Search j neurosci[Jour] AND 16[volume] AND 2912 [page] AND 1996[pdat] AND liu[auth] | 11:40:50 | 1 |
| #41 | Search " astrocyte" and neuron differentiation Field: All Fields, Limits: English, Review | 11:19:18 | 22 |
| #29 | Search " astrocyte" and neuron differentiation Limits: English | 11:18:45 | 275 |
| #34 | Search midbrain and astrocyte and neuron differentiation Limits: English | 11:12:09 | 56 |
| #33 | Search midbrain and astrocyteand neuron differentiation Limits: English | 11:11:03 | 811 |
| #32 | Search midbrain and astrocyte" and neuron differentiation Limits: English | 11:10:59 | 56 |
| #31 | Search " midbrain astrocyte" and neuron differentiation Limits: English | 11:10:47 | 56 |
| #28 | Search " type I astrocyte" and neuron differentiation Limits: English | 11:08:08 | 0 |
| #27 | Search " type 1 astrocyte" and neuron differentiation Limits: English | 11:07:56 | 3 |
| #26 | Search "astrocyte type 1" and neuron differentiation Limits: English | 11:07:47 | 86 |
| #25 | Search astrocyte type 1 and neuron differentiation Limits: English | 11:07:30 | 86 |

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| #20 Search astrocyte and neuron differentiation Field: All Fields , Limits: English | 11:01:04 | 849 |
| #19 Search astrocyte and neuron differentiation | 10:54:45 | 887 |
| #18 Search astrocyte coculture and differentiation | 10:49:52 | 96 |
| #17 Search astrocyte coculture and neural stem differentiation | 10:37:59 | 20 |
| #13 Search astrocyte coculture and neural stem differentiation Limits: Review | 10:37:55 | 0 |
| #15 Search astrocyte and neural stem differentiation Limits: Review | 10:36:38 | 14 |
| #14 Search astrocyte co culture and neural stem differentiation Limits: Review | 10:36:34 | 0 |
| #12 Search astrocyte coculture and neuron differentiation Field: All Fields , Limits: Review | 10:36:12 | 1 |
| #9 Search astrocyte coculture and neuron differentiation | 10:28:41 | 66 |
| #8 Search akerud p | 09:35:43 | 11 |
| #7 Search akerud | 09:35:31 | 20 |
| #6 Search snyder ey | 09:35:11 | 73 |
| #5 Search snyder | 09:34:34 | 9399 |
| #4 Search perlmann t | 09:28:45 | 62 |
| #3 Search Arenas e | 09:27:46 | 73 |
| #1 Search "Cell transplantation"[Jour] AND 4[volume] AND 335[page] AND 1995[pdat] AND ptak[auth] | 08:55:11 | 1 |

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